



U.S. Department  
of Transportation  
**Research and  
Special Programs  
Administration**

400 Seventh St., S.W.  
Washington, D.C. 20590

**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE NUMBER USA/0236/S, REVISION 3**

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive materials.

1. Source Identification - SR-CF-3000 and OR-CF-3000 series neutron sources.
2. Source Description - The sources described by this certificate are TIG-welded double encapsulations with external dimensions of 9.40 mm (0.370 in) diameter and 53.4 mm (2.1 in) length. The inner capsule is constructed of a 90 wt% platinum and 10 wt% rhodium alloy, and the outer capsule is of Type 304L stainless steel or Zircalloy-2. One end of the outer capsule is threaded to allow the attachment of various handling devices. Attached is Oak Ridge National Laboratory drawing titled "The primary and secondary capsule components (assembled) of the SR-CF-3000 Series Source."
3. Radioactive Contents - These neutron sources are authorized to contain up to 1.0 TBq (27 Ci) of Cf-252 as an oxide.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires June 30, 2007.

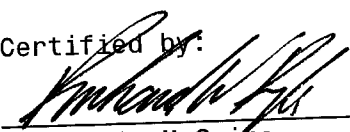
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1 "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

2 Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

CERTIFICATE USA/0236/S, REVISION 3

This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated February 1, 2001 submitted by U.S. Department of Energy, Germantown, MD, and in consideration of other information on file in this Office.

Certified by:

  
Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

JUL - 2 2002

(DATE)

Revision 3 - Issued to increase the authorized contents and to extend the expiration date.

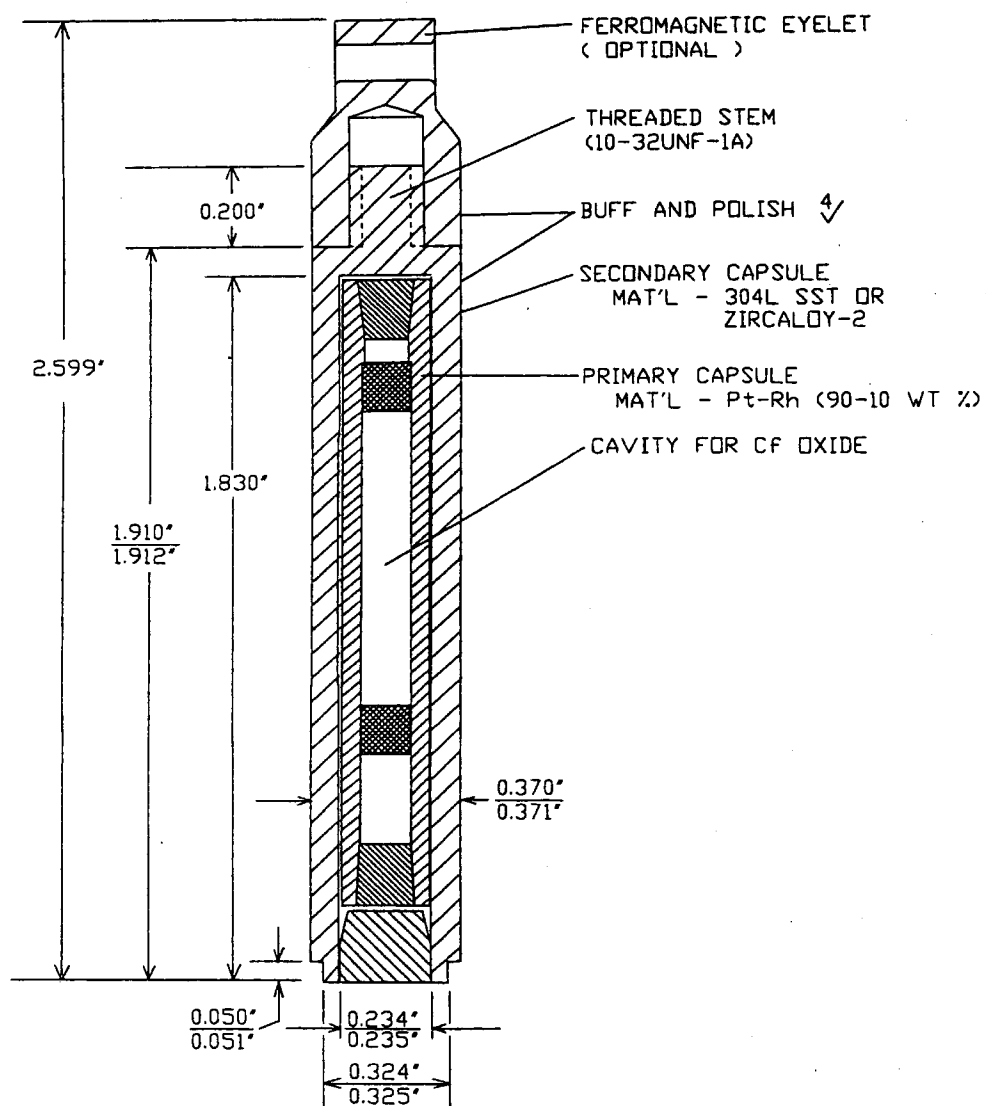


Figure 4. The primary and secondary capsule components (assembled) of the SR-Cf-3000 Series Source.